

DEVAL L. PATRICK GOVERNOR TIMOTHY P. MURRAY LIEUTENANT GOVERNOR JUDYANN BIGBY, MD SECRETARY JOHN AUERBACH

COMMISSIONER

The Commonwealth of Massachusetts

Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

05/29/12

Ryan Sullivan Assistant District Attorney, Middlesex County

Mr. Sullivan,

Enclosed is the information you requested. Included are copies of the following:

- 1. Drug Analysis Laboratory Receipt.
- 2. Control Cards with analytical results for sample #'s
- 3. Analysis sheets with chemist's hand notations and test results.
- GC/MS analytical data for sample #'s

If you have any questions about these materials, please call me at the number below.

(DLL)

Sincerel

Kate Corbei Chemist II

Drug Analysis Lab

Jamaica Plain, MA. 02130

(617) 983-6632

PLEASE PRINT CLEARLY OR TYPE ALL INFORMATION



The Commonwealth of Massachusetts Executive Office of Health and Human Services

Boston Drug Laboratory Tel (617) 983-6622 Fax (617) 983-6625 Department of Public Health State Laboratory Institute

Amherst Drug Laboratory Tel (413) 545-2601 Fax (413) 545-2608

Boston Hours 8:00 - 11:00 2:00 - 4:00

DRUG RECEIPT

Amherst Hours 9:00 - 12:00 1:00 - 4:00

City or Department:	Police Reference No.:
Name and Rank of Submitting Officer:	DET FRONK W. SOWATE
Defendant(s) Name (last, first, initial)	

Description of Samples	To be completed by Gross Weight	Lab Personnel Lab Number
39 BAGS BROWN POWDER	19,4g	
10 BAGS Whita powser	12,29	
1 BAG BRUN PUDGE	3,8g	
Received by: Date:	4-29	

No.

57

Date Analyzed:

City: Malden Police Dept. Officer: Detective FRANK SPINALE

Def:

Subst: SUB

Amount: No. Cont:

39

Cont: pb

Date Rec'd: 04/29/2009

No. Analyzed: \&

Gross Wt.: 19.40

Net Weight: 12-92

#Tests: 72 AV

Prelim: Heron

Findings:

Date Analyzed:

City: Malden Police Dept.

Officer: Detective FRANK SPINALE

Amount: No. Cont:

No.

Def:

Cont: pb 10

Date Rec'd: 04/29/2009

No. Analyzed: \

Gross Wt.: 12.20

Net Weight: 0.82

Subst: SUB

Prelim: COCCUIO

Findings:

Date Analyzed:

City: Malden Police Dept.

Officer: Detective FRANK SPINALE

Def:

Amount:

Subst: SUB

No. Cont:

Cont: pb

Date Rec'd: 04/29/2009

Gross Wt.:

3.80

1

No. Analyzed:

Net Weight: 0.31

Tests:

Prelim:

Findings:

DRUG POWDER ANALYSIS FORM

SAMPLE # AGENCY	malyst And
No. of samples tested:	Evidence Wt.
PHYSICAL DESCRIPTION:	Gross Wt (BG): 15.8373
Barge poudrad su	5540 @ Gross Wt (18): 7.2729
dg 78 (1)	Pkg. Wt:
doublebago	Net Wt:
	•
·	,
PRELIMINARY TESTS Spot Tests	Microcrystalline Tests
Cobalt Thiocyanate (+)	Gold Chloride
γ Marquis <u>+</u>	TLTA ()
> Froehde's	OTHER TESTS
8 Mecke's +	
	,
PRELIMINARY TEST RESULTS	GC/MS CONFIRMATORY TEST
RESULTS HENCES	RESULTS Heron
DATE 601-12-10	MS OPERATOR <u>\C</u> €\C
	DATE \-\\\-\\

Revised 7/2005

samples tested:

#	Gross Welght	Packet Weight	Net Weight	#	Gross Weight	Packet Weight	Net Weight
1	0.3843	0.0753	0.3090	26	4,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
2	0.4057	0.0690	0.3367	27			
3	0-4507	0-0647	0.3860	28		- A - A - A - A - A - A - A - A - A - A	W
4	0.3312	0.0752	0.2560	29			
5	0.3819	0.0754	0.3060	30			
6	0-3972	0.1047	0.2925	31	to pla bas	seco	
7	0.3763	0.0606	0.3157	32			
8	0.3489	0-0642	0.2847.	33			
9	0-3583	0.0609	0-2974	34			
10	0.3985	0.0783	0.3202	35			
11	0.5089	0.0763	0.4321	36			
12	0.3885	0.0396	0.3289_	37	Su symponium de la companya de la co		Apparent of the second of the
13	0.4802	0.0713	0.4059	38			
14	0.3947	0.0654	0.3288	39			***************************************
15	0.9111	0-011 <u>3</u>	0-8398	40		ALUMAN AND AND AND AND AND AND AND AND AND A	
16	0.3942	0.0866	0-3076	41			
17	0.3842	0-0650	0.3192	42			Control of the contro
18	0.4796	0-1115	0.3681	43	thiplebag	200	
19	· · · · · · · · · · · · · · · · · · ·		- Mariana	44			
20				45			·
21				46	4.0040.00000000000000000000000000000000		· · · · · · · · · · · · · · · · · · ·
22				47			
23				48	approx.		
24		2000.0000		49			
25				50			

Calculations: PKgwt

ESTIDET = 1.3428/18 = 0.0746(39) = 2.9094

= 15.8373 - 2.9094 = 12-9279

DRUG POWDER ANALYSIS FORM

	•			
SAMPLE#	AGENCY	Malden	ANALYST	G30
No. of samples tested:			Evidence Wt.	
PHYSICAL DESCRIPTION:	THE RESIDENCE THE PROPERTY AND ADDRESS OF THE PROPERTY		Gross Wt ((O):	8.6457
	÷			
white power		123400(C	Gross Wt()):	0.4121
\ <u>\</u>	2d9 011		Pkg. Wt:	
do	chlebalje	Ø.	Net Wt:	0-8262
			•	
•				
•				
PRELIMINARY TESTS Spot Tests			Microcrystalline Tes	ts
Cobalt Thiocyanate <u>(+)</u>	-	Cł	Gold iloride +	
Marquis	_		TLTA (+)	
Froehde's -	•		OTHER TESTS	. •
**************************************		**************************************		
Mecke's		***************************************		
		4004.4444		
PRELIMINARY TEST RESULTS		GC/	MS CONFIRMATORY	TEST
RESULTS COCCULO		RES	ULTS (OC QU	1 <u>0</u>
DATE 1-12-10		-	MS TOR (CAC	
			1-10	

Revised 7/2005

DRUG POWDER ANALYSIS FORM

SAMPLE #	AGENCY Malcles	ANALYST NAC	·
No. of samples tested:	_	Evidence Wt.	
PHYSICAL DESCRIPTION:		Gross Wt(): <u>の 3</u> 6ミ	<i>i</i> – 1
Beige pow	dred sussine	Gross Wt ():	one of the second secon
	1 67	Pkg. Wt:	
clou	subalsed	Net Wt: 0.311	<u> </u>
		•	
PRELIMINARY TESTS Spot Tests		Microcrystalline Tests	
Cobalt Thiocyanate (←)	Ch	Gold Noride	
Marquis +		TLTA ()	
Froehde's		OTHER TESTS	٠
Mecke's			
PRELIMINARY TEST RESULTS	GCI	MS CONFIRMATORY TEST	- Transfer
RESULTS Non-5	RESU	ults <u>henom</u>	
DATE 1-12-10		MS TOR <u>KAC</u>	
	Г	ATE 1-16-15	

Revised 7/2005

VKN C 5/29/12

Information from Data File:

File Name : F:\Q1-2010\SYSTEM4\01 13 10\691504.D

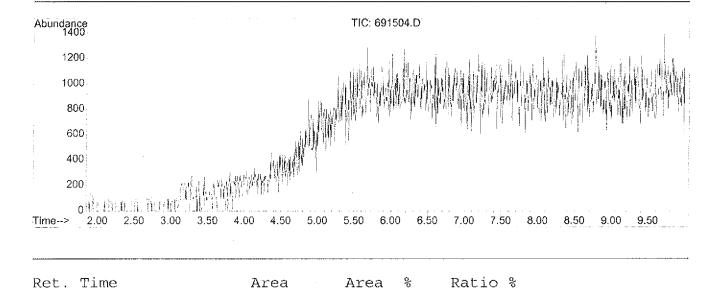
Operator : KAC

Date Acquired : 13 Jan 2010 11:35

Sample Name : BLANK

Submitted by :

Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE



NO INTEGRATED PEAKS

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691505.D

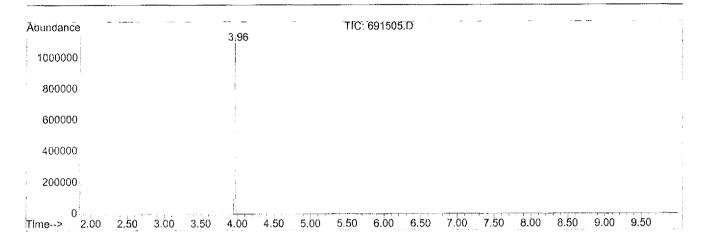
Operator : KAC

Date Acquired : 13 Jan 2010 11:48

Sample Name : COCAINE STD

Submitted by :

Vial Number : 5
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
3.960	981148	100.00	100.00

File Name : $F:\Q1-2010\SYSTEM4\01\ 13\ 10\691505.D$

Operator : KAC

Date Acquired : 13 Jan 2010 11:48

Sample Name : COCAINE STD

Submitted by :

Vial Number : 5 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

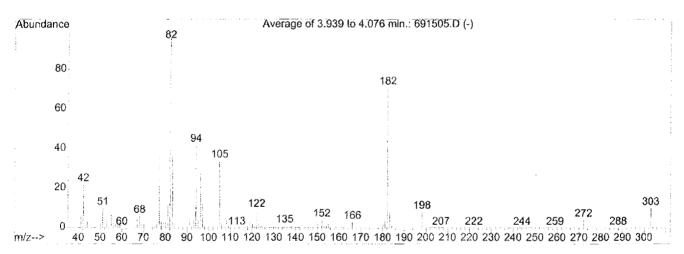
Minimum Quality: 90

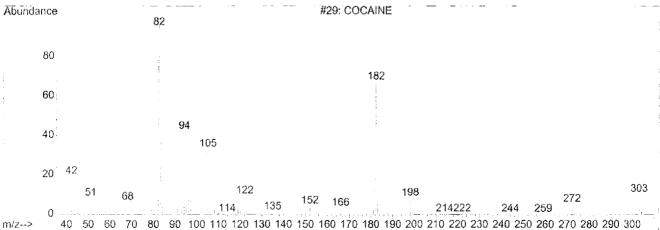
C:\DATABASE\PMW_TOX2.L

Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.96	C:\DATABASE\SLI.L COCAINE	000050-36-2	99





691505.D

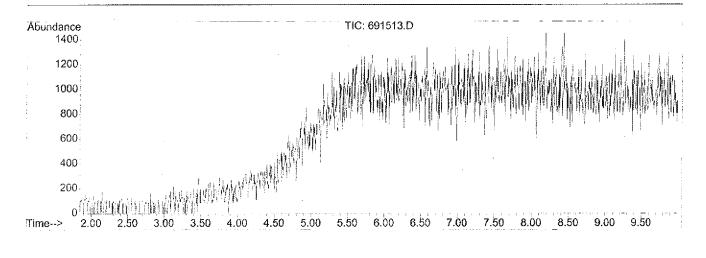
Tue May 29 10:48:45 2012

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691513.D

Operator : KAC

Date Acquired : 13 Jan 2010 13:36

Sample Name : BLANK Submitted by : ASD Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

NO INTEGRATED PEAKS

File Name : $F:\Q1-2010\SYSTEM4\01_13_10\691514.D$

Operator : KAC

Date Acquired : 13 Jan 2010 13:49

Sample Name :

Submitted by : ASD
Vial Number : 14
AcquisitionMeth: DRUGS
Integrator : RTE

Abundance		3 97			TIC	691514	I.D							
2000000		3,31												
1500000		Population and the second seco				•								
1000000		÷ .												:
500000														
	3.21													
7ime> 2.00	2.50 3.00 3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8,50	9.00	9.50	1717

Ret. Time	Area	Area %	Ratio %
3.205	297906	11.72	F F 7 - 1
3.967	2244211	88.28	

File Name : $F:\Q1-2010\SYSTEM4\01\13\10\691514.D$

Operator : KAC

Date Acquired : 13 Jan 2010 13:49

Sample Name

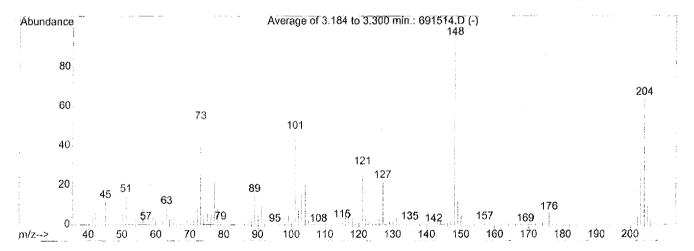
Submitted by : ASD Vial Number : 14 AcquisitionMeth: DRUGS Integrator : RTE

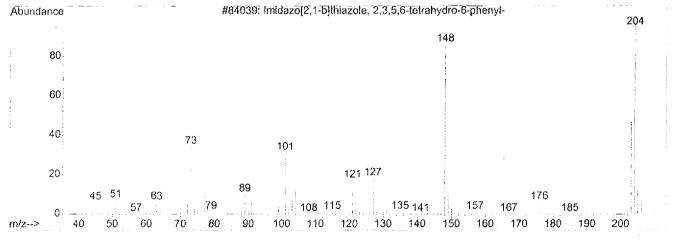
Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90

C:\DATABASE\PMW TOX2.L Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID		CAS#	Qual
 1	3,21	C:\DATABASE\NIST98.L			
		Imidazo[2,1-b]thiazole,	2,3,5,6-tet	006649-23-6	98
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	97
		<pre>Imidazo[2,1-b]thiazole,</pre>	2,3,5,6-tet	006649-23-6	97





691514.D

Tue May 29 10:49:01 2012

File Name : F:\Q1-2010\SYSTEM4\01 13 10\691514.D

Operator : KAC

Date Acquired : 13 Jan 2010 13:49

Sample Name :

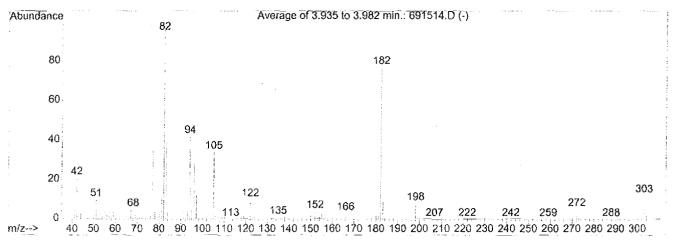
Submitted by : ASD
Vial Number : 14
AcquisitionMeth: DRUGS
Integrator : RTE

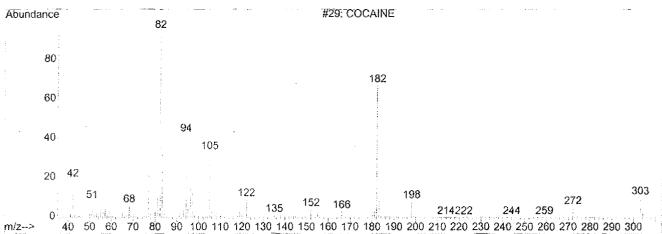
Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90

C:\DATABASE\PMW_TOX2.L Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	3.97	C:\DATABASE\SLI.L COCAINE	000050-36-2	99





691514.D

Tue May 29 10:49:01 2012

Information from Data File:

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691521.D

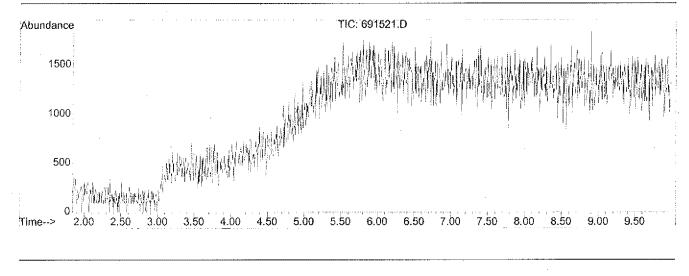
Operator : KAC

Date Acquired : 13 Jan 2010 15:23

Sample Name : BLANK

Submitted by :

Vial Number : 1 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

NO INTEGRATED PEAKS

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691522.D Operator : KAC

; KAC

Date Acquired : 13 Jan 2010 15:36

Sample Name : COCAINE STD

Submitted by

Vial Number : 22 AcquisitionMeth: DRUGS Integrator : RTE

Abt2000000	<u>-</u>	3 96	TIC: 691522.D			
1000000						
800000						
600000						:
400000						:
200000						
7 Time> 0	.00 2.50 3.00 3.50	4.00 4.50 5.00	5.50 6.00 6.50	7.00 7.50 8.	00 8.50	9.00 9.50

Ret. Time	Area	Area %	Ratio %
3.960	1001547	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691522.D

Operator : KAC

Date Acquired : 13 Jan 2010 15:36

Sample Name : COCAINE STD

Submitted by :

Vial Number : 22 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90

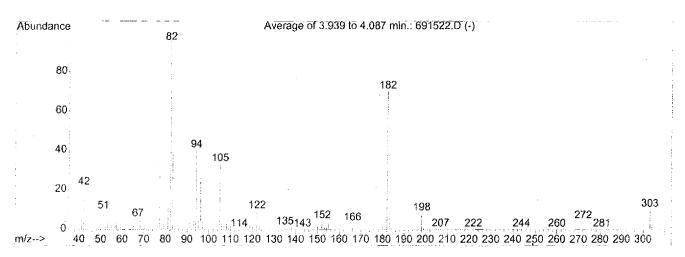
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90

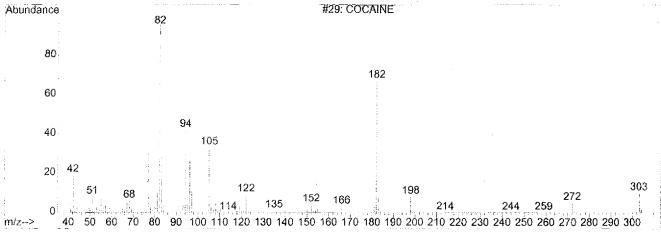
C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual

1 3.96 C:\DATABASE\SLI.L

COCAINE 000050-36-2 99





691522.D

Tue May 29 10:49:18 2012

Information from Data File:

File Name : F:\Q1-2010\SYSTEM4\01 13_10\691542.D

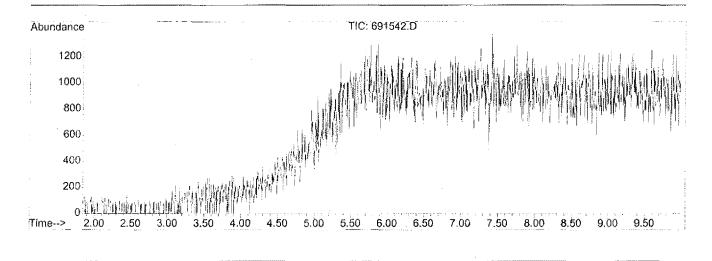
Operator : KAC

Date Acquired : 13 Jan 2010 20:04

Sample Name : BLANK

Submitted by :

Vial Number : 2 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

NO INTEGRATED PEAKS

Information from Data File:

File Name : $F:\Q1-2010\SYSTEM4\01_13_10\691543.D$

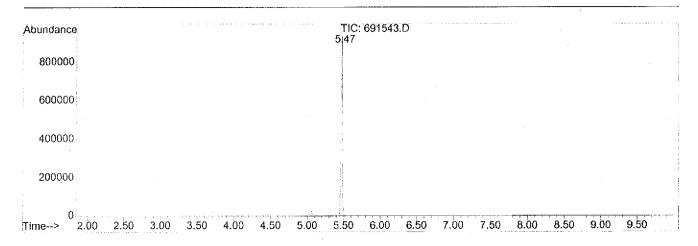
Operator : KAC

Date Acquired : 13 Jan 2010 20:17

Sample Name : HEROIN STD

Submitted by

Vial Number : 43 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.472	1155574	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01 13 10\691543.D

Operator : KAC

Date Acquired : 13 Jan 2010 20:17

Sample Name : HEROIN STD

Submitted by :

Vial Number : 43 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

:\DATABASE\SLI.L Minimum Quality: 90

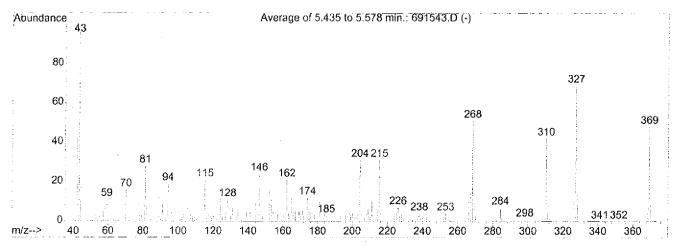
C:\DATABASE\PMW_TOX2.L Minimum Quality: 90

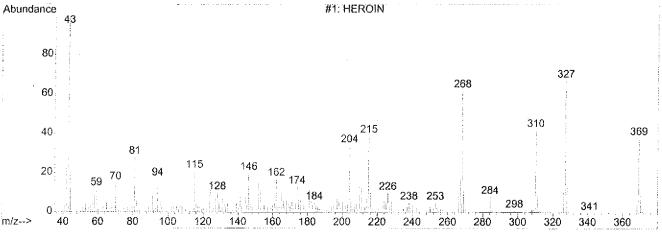
C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual

1 5.47 C:\DATABASE\SLI.L

HEROIN 000561-27-3 99





691543.D

Tue May 29 10:49:39 2012

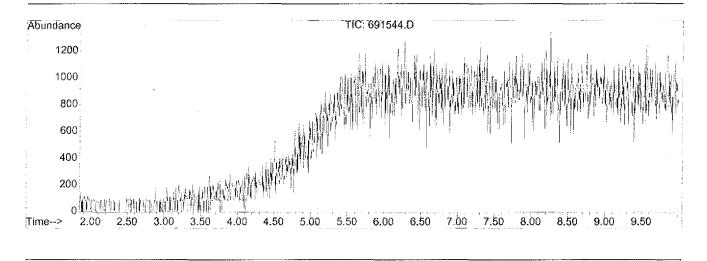
Information from Data File:

File Name : $F:\Q1-2010\SYSTEM4\01\13\10\691544.D$

Operator : KAC

Date Acquired : 13 Jan 2010 20:31

Sample Name : BLANK Submitted by : ASD Vial Number : 2 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

NO INTEGRATED PEAKS

Information from Data File:

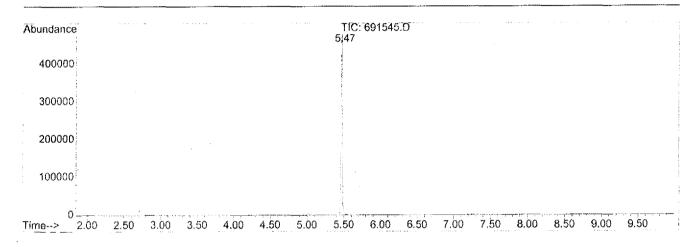
File Name : F:\Q1-2010\SYSTEM4\01 13 10\691545.D

Operator : KAC

Date Acquired : 13 Jan 2010 20:44

Sample Name

Submitted by : ASD
Vial Number : 45
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.467	567906	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01 13 10\691545.D

Operator KAC

Date Acquired 13 Jan 2010 20:44

Sample Name

Submitted by ASD Vial Number 45 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

Minimum Quality: 90 Minimum Quality: 90

C:\DATABASE\PMW TOX2.L

C:\DATABASE\NIST98.L

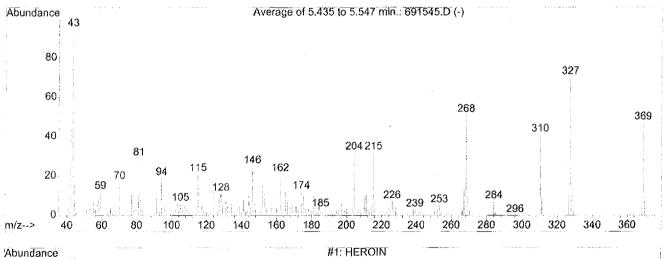
PK# Library/ID CAS# Qual RT

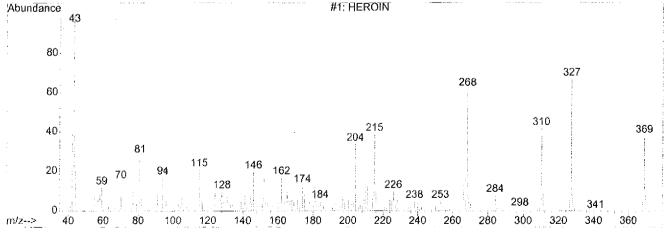
5.47 C:\DATABASE\SLI.L 1

HEROIN

000561-27-3

99





691545.D

Tue May 29 10:50:21 2012

Information from Data File:

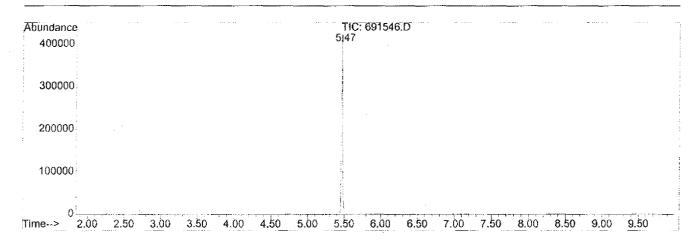
File Name : F:\Q1-2010\SYSTEM4\01_13_10\691546.D

Operator : KAC

Date Acquired : 13 Jan 2010 20:57

Sample Name

Submitted by : ASD
Vial Number : 46
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.466	483269	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691546.D

Operator : KAC

Date Acquired : 13 Jan 2010 20:57

Sample Name :

Submitted by : ASD
Vial Number : 46
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

Minimum Quality: 90

C:\DATABASE\PMW_TOX2.L

Minimum Quality: 90

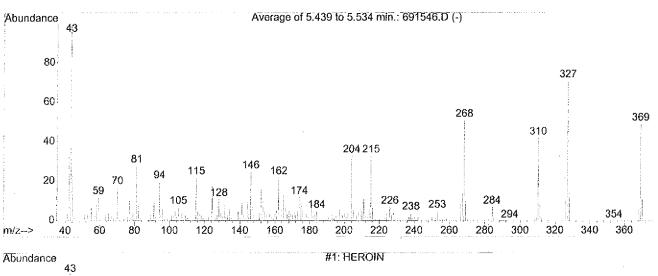
C:\DATABASE\NIST98.L

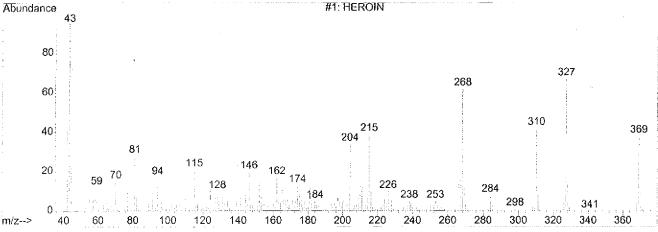
PK# RT Library/ID CAS# Qual

1 5.47 C:\DATABASE\SLI.L HEROIN

000561-27-3

99





691546.D

Tue May 29 10:50:25 2012

Information from Data File:

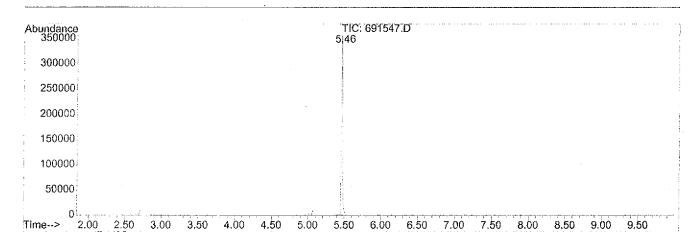
File Name : F:\Q1-2010\SYSTEM4\01 13 10\691547.D

Operator : KAC

Date Acquired : <u>13 Jan 2010</u> 21:11

Sample Name :

Submitted by : ASD
Vial Number : 47
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.462	398462	100.00	100.00

691547.D

Tue May 29 10:50:29 2012

File Name : F:\Q1-2010\SYSTEM4\01 13 10\691547.D

Operator : KAC

Date Acquired : 13 Jan 2010 21:11

Sample Name :

Submitted by : ASD
Vial Number : 47
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

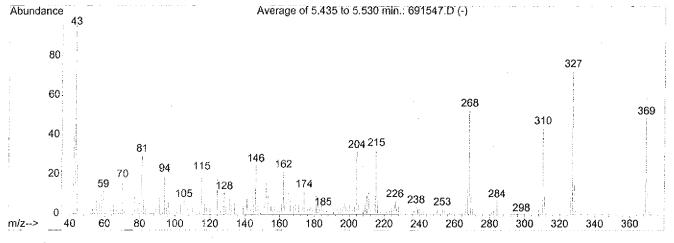
Minimum Quality: 90

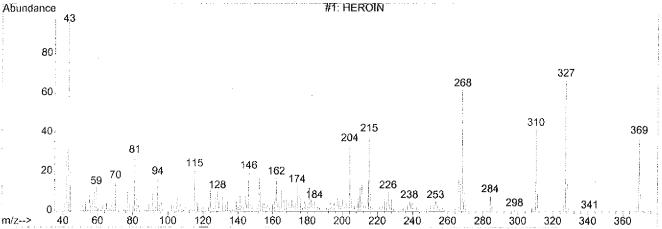
C:\DATABASE\PMW_TOX2.L

Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	5.46	C:\DATABASE\SLI.L		
		HEROIN	000561-27-3	99
		JWH-073	208987-48-8	2





691547.D

Tue May 29 10:50:29 2012

Information from Data File:

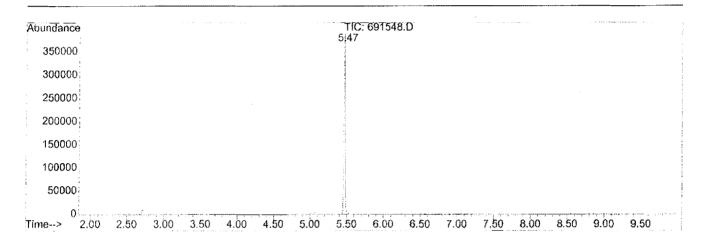
File Name : F:\Q1-2010\SYSTEM4\01_13_10\691548.D

Operator : KAC

Date Acquired : 13 Jan 2010 21:24

Sample Name :

Submitted by : ASD
Vial Number : 48
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.466	445988	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01 13 10\691548.D

Operator : KAC

Date Acquired : 13 Jan 2010 21:24

Sample Name

Submitted by : ASD
Vial Number : 48
AcquisitionMeth: DRUGS
Integrator : RTE

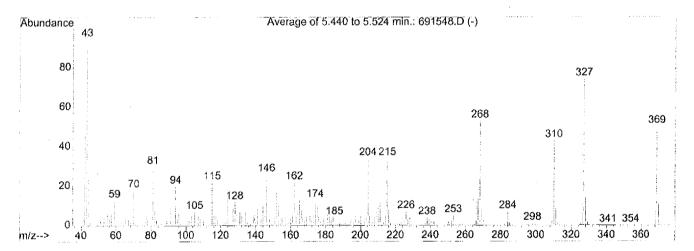
Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90

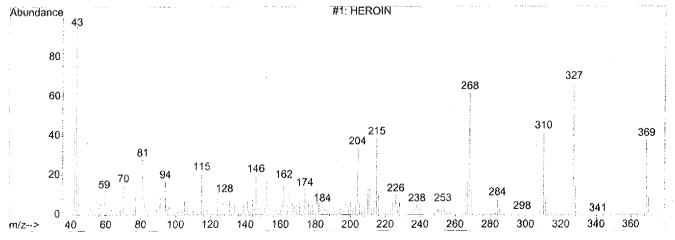
C:\DATABASE\PMW TOX2.L Minimum Quality: 90

C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual







691548.D

Tue May 29 10:50:34 2012

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691549.D Operator : KAC

: KAC Operator

Date Acquired : <u>13 Jan 2010 21:38</u>

Sample Name :

: ASD Submitted by Vial Number : 49 AcquisitionMeth: DRUGS Integrator : RTE

Abundance 600000			-		· -		TIC: 5147	691549	.D							
500000							- Walter of the Control of the Contr									
400000							Australia de Paris									
300000																
200000																1
100000																
Time> 0 - 2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00	6.50	7.00	7.50	8.00	8.50	9.00	9.50	•

Ret. Time	Area	Area %	Ratio %
5.466	725602	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01 13 10\691549.D

Operator : KAC

Date Acquired 13 Jan 2010 21:38

Sample Name Submitted by

ASD Vial Number 49 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

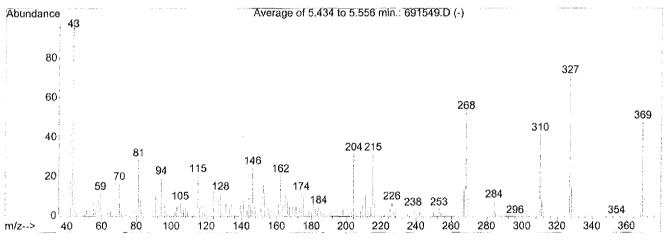
Minimum Quality: 90 Minimum Quality: 90

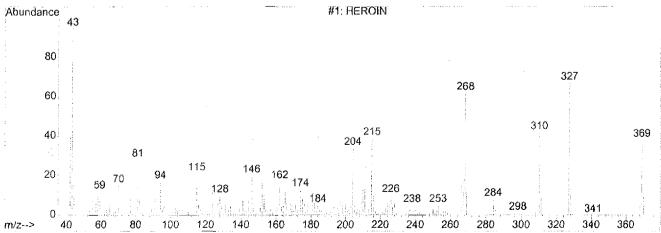
C:\DATABASE\PMW TOX2.L

C:\DATABASE\NIST98.L

CAS# PK# RT Library/ID Qual

C:\DATABASE\SLI.L 5.47 1 HEROIN 000561-27-3 99





691549.D

Tue May 29 10:50:38 2012

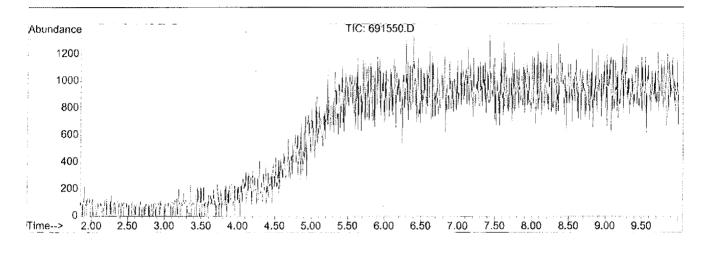
Information from Data File:

File Name : $F:\Q1-2010\SYSTEM4\01\ 13\ 10\691550.D$

Operator : KAC

Date Acquired : 13 Jan 2010 21:51

Sample Name : BLANK Submitted by : ASD Vial Number : 2 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

NO INTEGRATED PEAKS

Information from Data File:

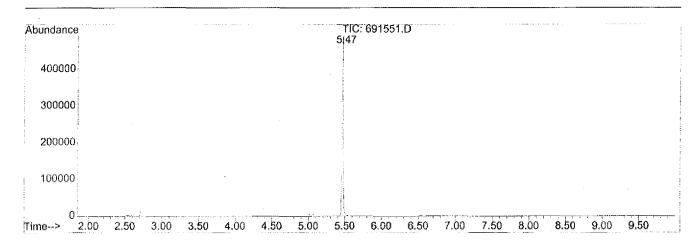
File Name : $F:\Q1-2010\SYSTEM4\01_13_10\691551.D$

Operator : KAC

Date Acquired : 13 Jan 2010 22:05

Sample Name :

Submitted by : ASD
Vial Number : 51
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.467	573490	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691551.D

Operator KAC

Date Acquired 13 Jan 2010 22:05

Sample Name

Submitted by ASD Vial Number 51 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

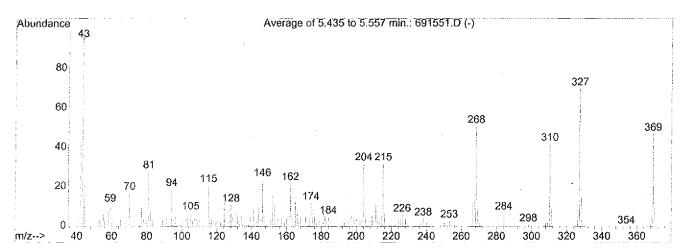
Minimum Quality: 90

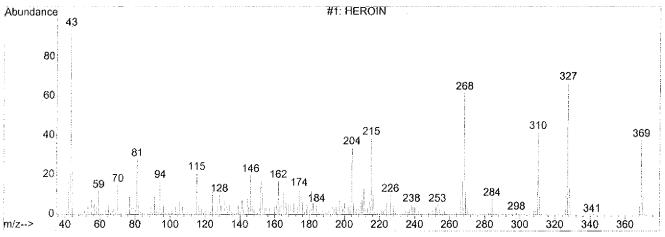
C:\DATABASE\PMW TOX2.L

Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
 . 1	5.47	C:\DATABASE\SLI.L HEROIN	000561-27-3	99





691551.D

Tue May 29 10:50:48 2012

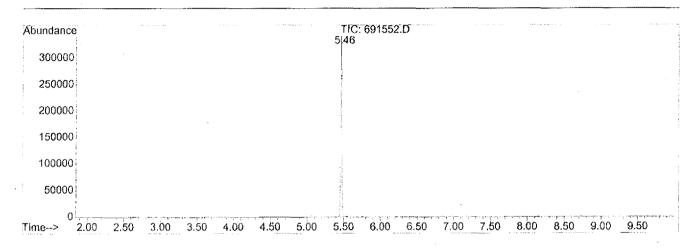
File Name : F:\Q1-2010\SYSTEM4\01 13 10\691552.D

Operator : KAC

Date Acquired : 13 Jan 2010 22:18

Sample Name

Submitted by : ASD
Vial Number : 52
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.461	369729	100.00	100.00

File Name : $F:\Q1-2010\SYSTEM4\01\ 13\ 10\691552.D$

Operator : KAC

Date Acquired : 13 Jan 2010 22:18

Sample Name

Submitted by : ASD
Vial Number : 52
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 90

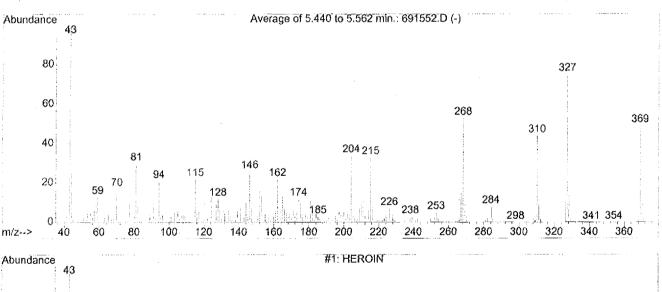
C:\DATABASE\PMW TOX2.L Minimum Quality: 90

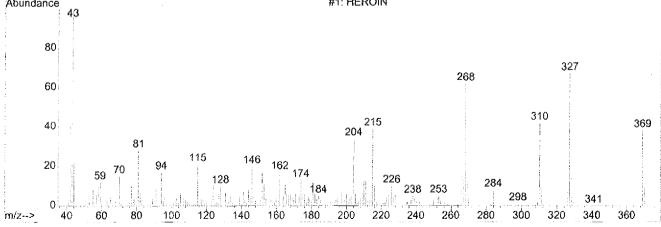
C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual

1 5.46 C:\DATABASE\SLI.L

HEROIN 000561-27-3 99





691552.D

Tue May 29 10:50:52 2012

Information from Data File:

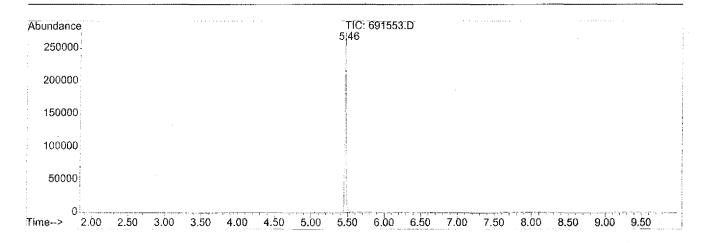
File Name : F:\Q1-2010\SYSTEM4\01_13_10\691553.D

Operator : KAC

Date Acquired : 13 Jan 2010 22:32

Sample Name :

Submitted by : ASD
Vial Number : 53
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.462	300569	100.00	100.00

File Name : $F:\Q1-2010\SYSTEM4\01\ 13\ 10\691553.D$

Operator : KAC

Date Acquired : 13 Jan 2010 22:32

Sample Name :

Submitted by : ASD Vial Number : 53 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

Minimum Quality: 90

C:\DATABASE\PMW TOX2.L

Minimum Quality: 90

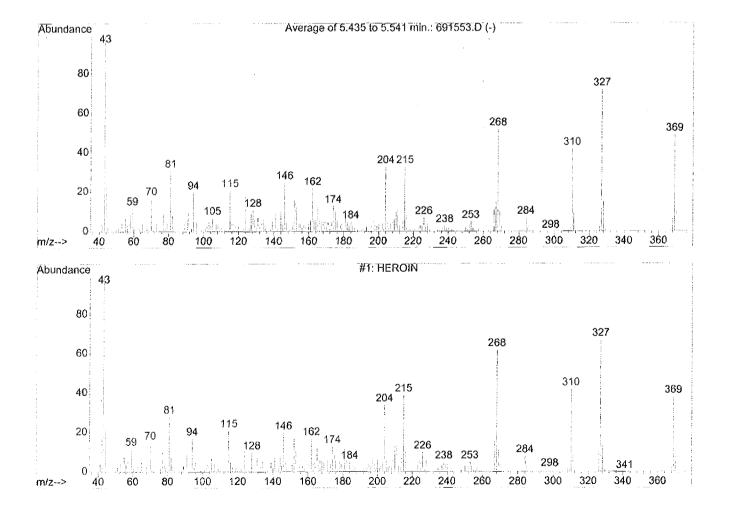
96

C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual

1 5.46 C:\DATABASE\SLI.L

HEROIN 000561-27-3



691553.D

Tue May 29 10:50:57 2012

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Information from Data File:

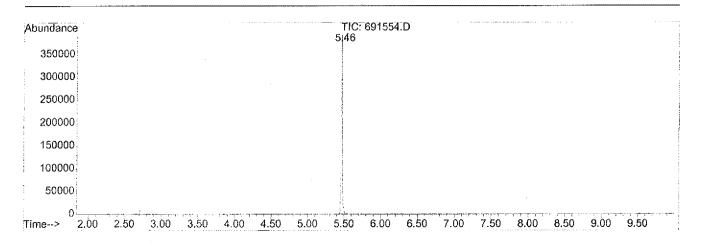
File Name : F:\Q1-2010\SYSTEM4\01_13_10\691554.D

Operator : KAC

Date Acquired : 13 Jan 2010 22:45

Sample Name :

Submitted by : ASD
Vial Number : 54
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.462	446205	100.00	100.00

File Name : $F:\Q1-2010\SYSTEM4\01\ 13\ 10\691554.D$

Operator : KAC

Date Acquired : 13 Jan 2010 22:45

Sample Name :

Submitted by : ASD
Vial Number : 54
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

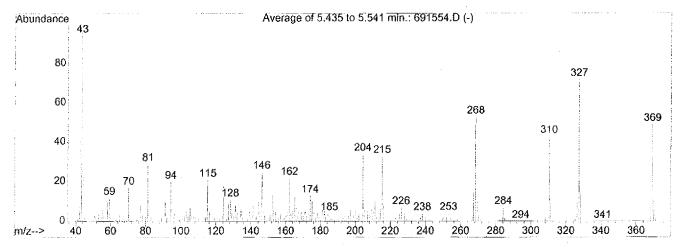
Minimum Quality: 90

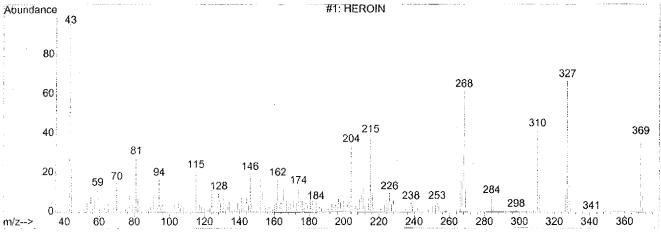
C:\DATABASE\PMW_TOX2.L

Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	5.46	C:\DATABASE\SLI.L HEROIN JWH-073	000561-27- 208987-48-	





691554.D

Tue May 29 10:51:02 2012

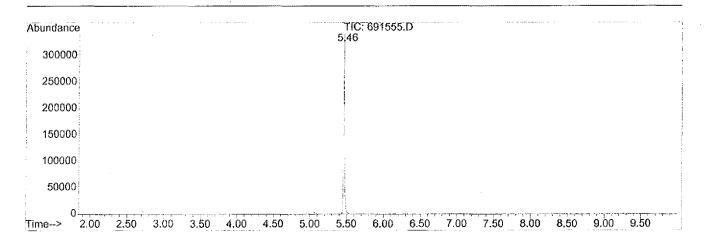
File Name : $F:\Q1-2010\SYSTEM4\01_13_10\691555.D$

Operator : KAC

Date Acquired : 13 Jan 2010 22:58

Sample Name :

Submitted by : ASD Vial Number : 55 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.462	359759	100.00	100.00

File Name : $F:\Q1-2010\SYSTEM4\01\ 13\ 10\691555.D$

Operator : KAC

Date Acquired : 13 Jan 2010 22:58

Sample Name :

Submitted by : ASD
Vial Number : 55
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

Minimum Quality: 90

C:\DATABASE\PMW_TOX2.L

Minimum Quality: 90

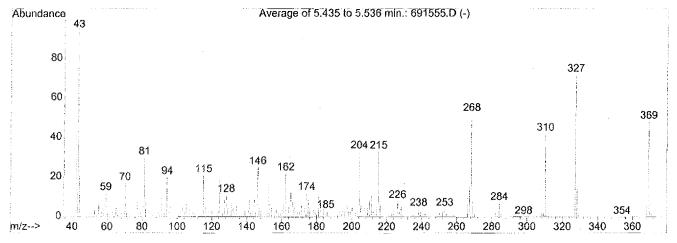
96

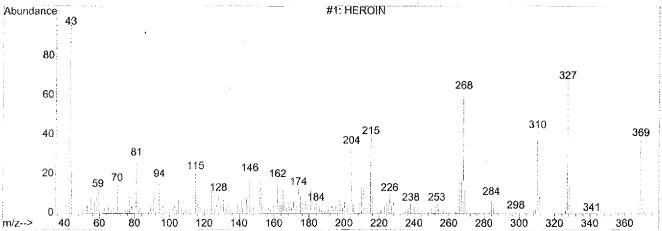
C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual

1 5.46 C:\DATABASE\SLI.L

HEROIN 000561-27-3





691555.D

Tue May 29 10:51:06 2012

Information from Data File:

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691557.D

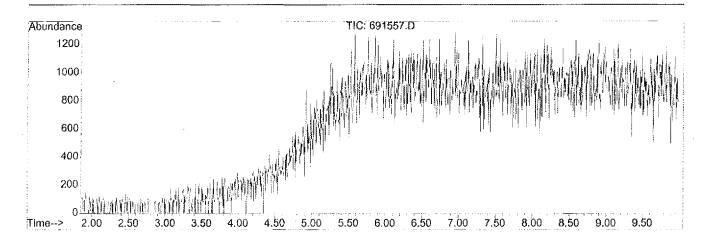
Operator : KAC

Date Acquired : 13 Jan 2010 23:26

Sample Name : BLANK

Submitted by :

Vial Number : 2 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

NO INTEGRATED PEAKS

Information from Data File:

File Name : $F:\Q1-2010\SYSTEM4\01_13_10\691558.D$

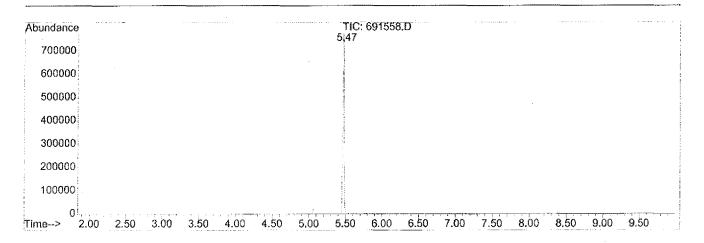
Operator : KAC

Date Acquired : 13 Jan 2010 23:39

Sample Name : HEROIN STD

Submitted by :

Vial Number : 58 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.466	917774	100.00	100.00

File Name : $F:\Q1-2010\SYSTEM4\01\ 13\ 10\691558.D$

Operator : KAC

Date Acquired : 13 Jan 2010 23:39

Sample Name : HEROIN STD

Submitted by :

Vial Number : 58 AcquisitionMeth: DRUGS Integrator : RTE

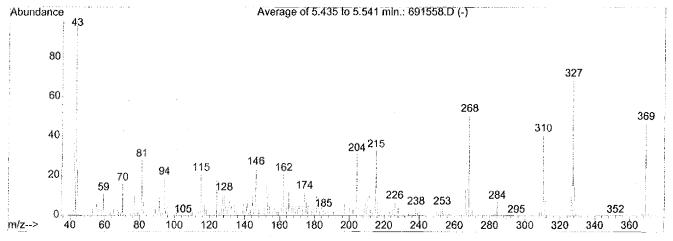
Search Libraries: C:\DATABASE\SLI.L

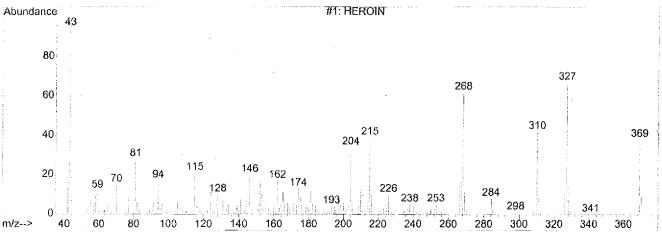
C:\DATABASE\SLI.L Minimum Quality: 90

C:\DATABASE\PMW TOX2.L Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	5.47	C:\DATABASE\SLI.L HEROIN	000561-27-3	99





691558.D

Tue May 29 10:51:19 2012

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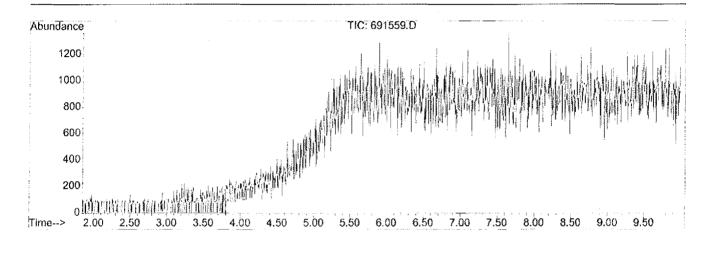
Information from Data File:

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691559.D

Operator : KAC

Date Acquired : 13 Jan 2010 23:53

Sample Name : BLANK Submitted by : ASD Vial Number : 2 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

NO INTEGRATED PEAKS

Information from Data File:

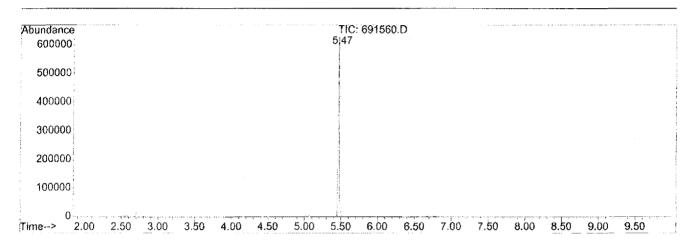
File Name : F:\Q1-2010\SYSTEM4\01_13_10\691560.D

Operator : KAC

Date Acquired : 14 Jan 2010 00:06

Sample Name :

Submitted by : ASD
Vial Number : 60
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.468	704209	100.00	100.00

File Name : $F:\Q1-2010\SYSTEM4\01\13\10\691560.D$

Operator : KAC

Date Acquired : 14 Jan 2010 00:06

Sample Name :

Submitted by : ASD
Vial Number : 60
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

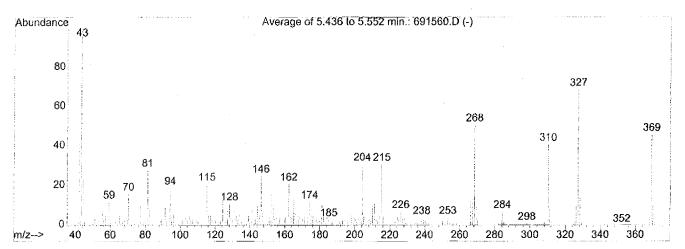
Minimum Quality: 90

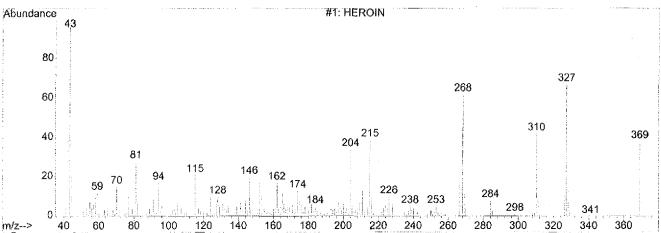
C:\DATABASE\PMW_TOX2.L

Minimum Quality: 90

C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	5.47	C:\DATABASE\SLI.L HEROIN	000561-27-3	99





691560.D

Tue May 29 10:51:29 2012

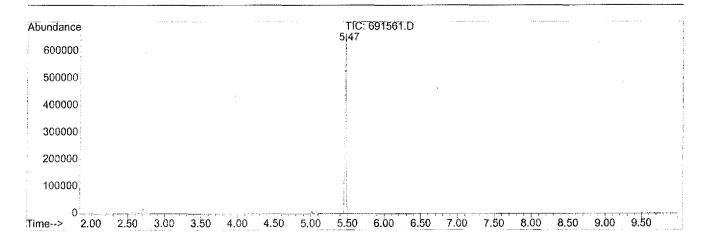
File Name : $F:\Q1-2010\SYSTEM4\01_13_10\691561.D$

Operator : KAC

Date Acquired : 14 Jan 2010 00:20

Sample Name :

Submitted by : ASD
Vial Number : 61
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.470	805336	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691561.D

Operator | KAC

Date Acquired 14 Jan 2010 00:20

Sample Name

Submitted by ASD Vial Number AcquisitionMeth: DRUGS RTE Integrator

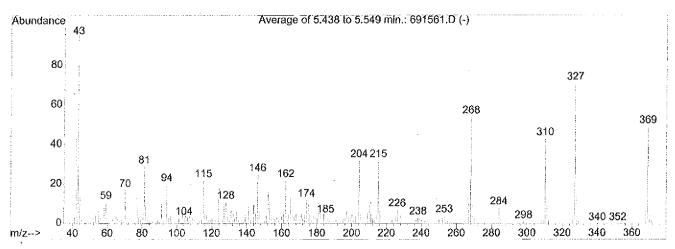
Search Libraries: C:\DATABASE\SLI.L

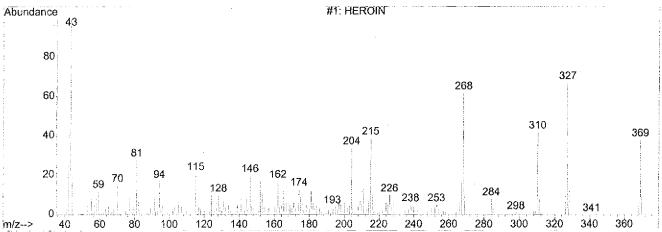
Minimum Quality: 90 Minimum Quality: 90

C:\DATABASE\PMW TOX2.L

C:\DATABASE\NIST98.L

PK# CAS# Qual RTLibrary/ID 5.47 C:\DATABASE\SLI.L 1 000561-27-3 96 HEROIN JWH-073 208987-48-8 2





691561.D

Tue May 29 10:51:34 2012

Information from Data File:

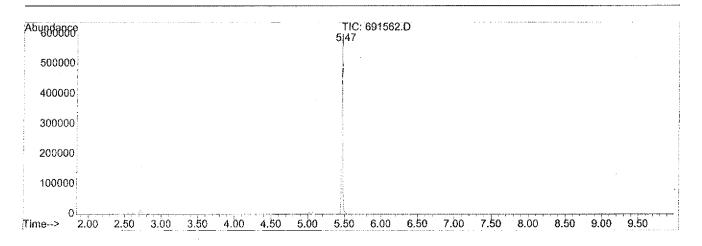
File Name : $F:\Q1-2010\SYSTEM4\01_13_10\691562.D$

Operator : KAC

Date Acquired : 14 Jan 2010 00:33

Sample Name :

Submitted by : ASD
Vial Number : 62
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.466	652188	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691562.D

Operator : KAC

Date Acquired : 14 Jan 2010 00:33

Sample Name :

Submitted by : ASD
Vial Number : 62
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

Minimum Quality: 90

C:\DATABASE\PMW_TOX2.L

Minimum Quality: 90

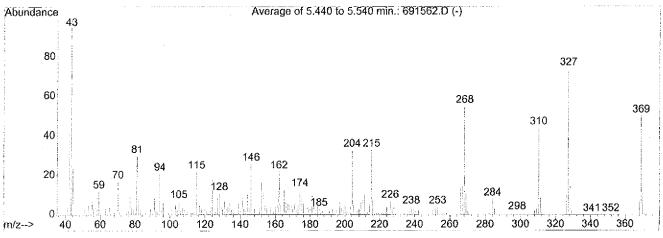
C:\DATABASE\NIST98.L

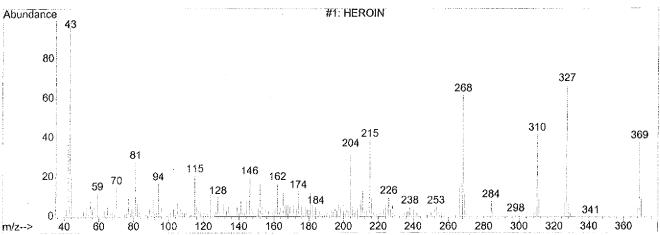
PK# RT Library/ID CAS# Qual

1 5.47 C:\DATABASE\SLI.L HEROIN

000561-27-3

99





691562.D

Tue May 29 10:51:39 2012

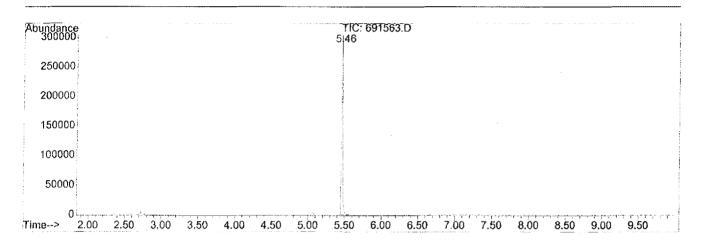
File Name : F:\Q1-2010\SYSTEM4\01_13_10\691563.D

Operator : KAC

Date Acquired : 14 Jan 2010 00:47

Sample Name

Submitted by : ASD
Vial Number : 63
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.461	340416	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01 13 10\691563.D

Operator : KAC

14 Jan 2010 Date Acquired 00:47

Sample Name

Submitted by ASD Vial Number 63 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

Minimum Quality: 90 Minimum Quality: 90

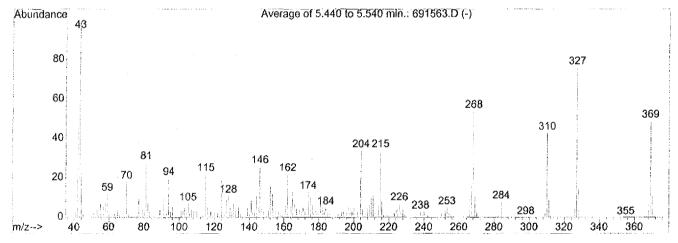
C:\DATABASE\PMW TOX2.L

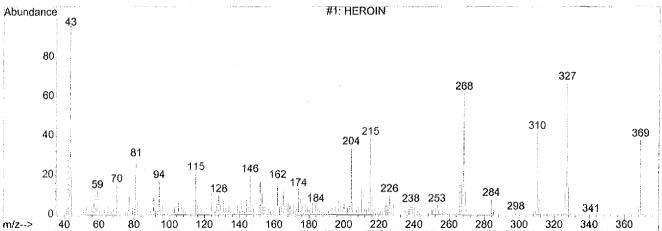
C:\DATABASE\NIST98.L

RTCAS# PK# Library/ID Qual

C:\DATABASE\SLI.L 1 5.46

HEROIN 000561-27-3





691563.D

Tue May 29 10:51:44 2012

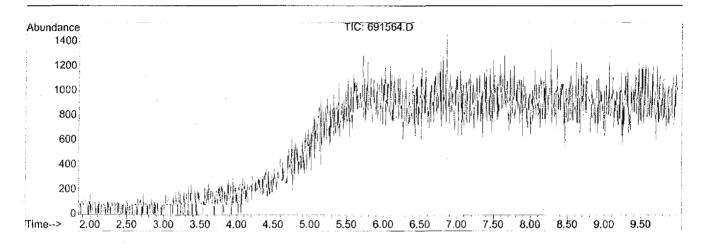
Page 2 99

File Name : $F:\Q1-2010\SYSTEM4\01_13_10\691564.D$

Operator : KAC

Date Acquired : 14 Jan 2010 1:00

Sample Name : BLANK Submitted by : ASD Vial Number : 2 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

NO INTEGRATED PEAKS

Information from Data File:

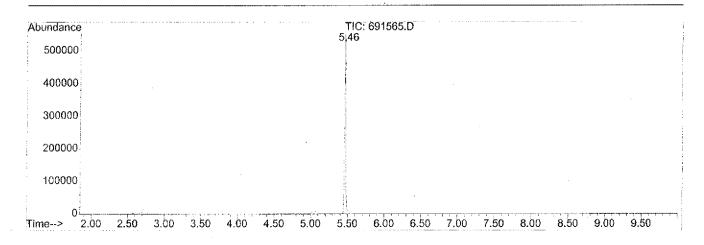
File Name : F:\Q1-2010\SYSTEM4\01_13_10\691565.D

Operator : KAC

Date Acquired : 14 Jan 2010 1:14

Sample Name :

Submitted by : ASD Vial Number : 65 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.463	624629	100.00	100.00

File Name : $F:\Q1-2010\SYSTEM4\01\ 13\ 10\691565.D$

Operator : KAC

Date Acquired : 14 Jan 2010 1:14

Sample Name : Submitted by : ASD Vial Number : 65

Vial Number : 65 AcquisitionMeth: DRUGS Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

DATABASE\SLI.L Minimum Quality: 90

C:\DATABASE\PMW_TOX2.L

Minimum Quality: 90

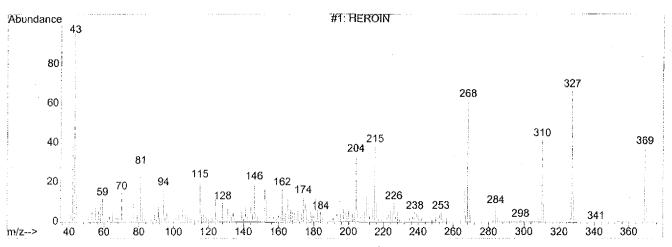
C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual

1 5.46 C:\DATABASE\SLI.L HEROIN

000561-27-3 99

Average of 5.437 to 5.537 min.: 691565.D (-) Abundance 43 80 327 60 268 369 310 40 204 215 146 162 115 20 70 174 284 $^{226}_{\ 238} \ _{253}$ 185 295 354 0 m/z--> 160 180 300 360 60 80 100 120 140 200 220 240 260 280 320 340



691565.D

Tue May 29 10:51:54 2012

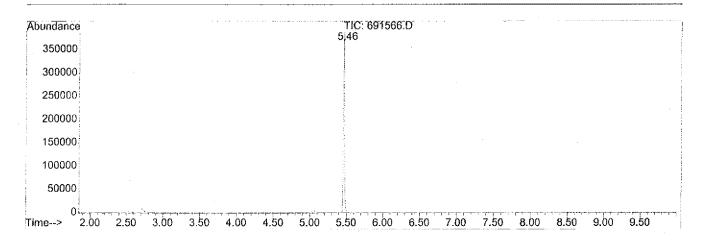
File Name : F:\Q1-2010\SYSTEM4\01_13_10\691566.D

Operator : KAC

Date Acquired : 14 Jan 2010 1:28

Sample Name

Submitted by : ASD
Vial Number : 66
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	·	Area %	Ratio %
5.464		100.00	100.00

File Name : $F:\Q1-2010\SYSTEM4\01\13\10\691566.D$

Operator : KAC

Date Acquired : 14 Jan 2010 1:28

Sample Name

Submitted by : ASD
Vial Number : 66
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

Minimum Quality: 90

C:\DATABASE\PMW_TOX2.L

Minimum Quality: 90

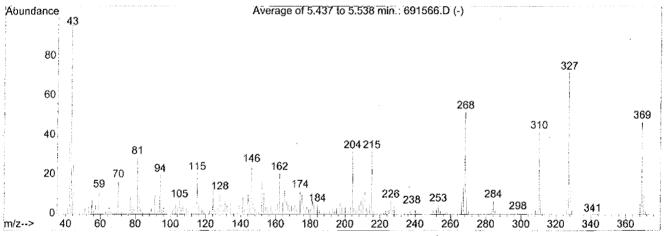
99

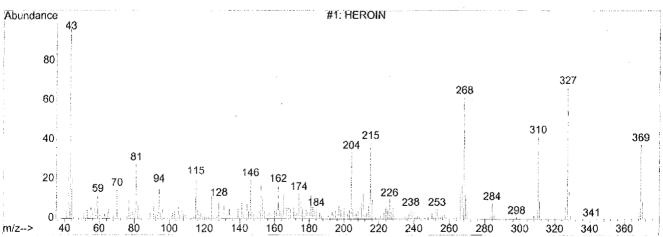
C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual

1 5.46 C:\DATABASE\SLI.L

HEROIN 000561-27-3





691566.D

Tue May 29 10:51:59 2012

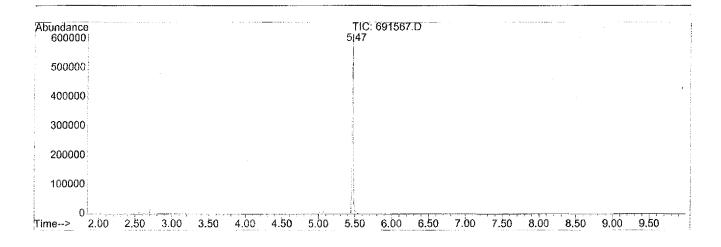
File Name : F:\Q1-2010\SYSTEM4\01_13_10\691567.D

Operator : KAC

Date Acquired : 14 Jan 2010 1:41

Sample Name :

Submitted by : ASD Vial Number : 67 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.466	693555	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01 13 10\691567.D

Operator : KAC

Date Acquired 14 Jan 2010 1:41

Sample Name

Submitted by ASD Vial Number 67 AcquisitionMeth: DRUGS Integrator : RTE

C:\DATABASE\SLI.L Search Libraries:

Minimum Quality: 90

C:\DATABASE\PMW TOX2.L

Minimum Quality: 90

C:\DATABASE\NIST98.L

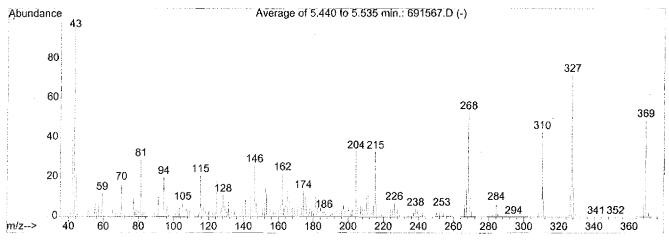
PK# RT Library/ID CAS# Qual

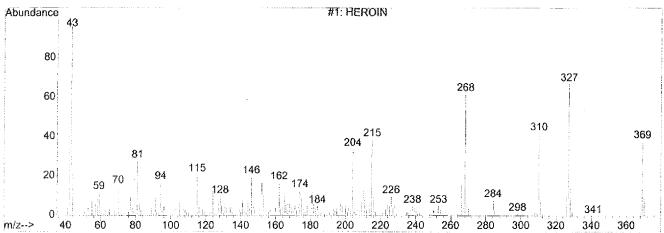
1 5.47 C:\DATABASE\SLI.L

HEROIN

000561-27-3

99





691567.D

Tue May 29 10:52:04 2012

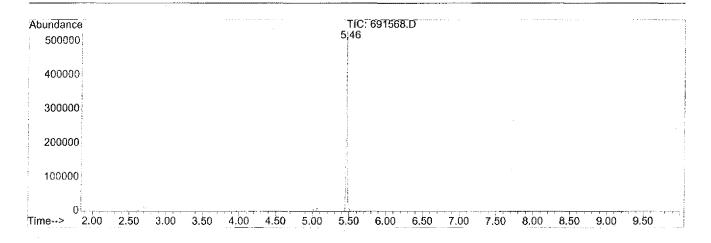
File Name : F:\Q1-2010\SYSTEM4\01_13_10\691568.D

Operator : KAC

Date Acquired : 14 Jan 2010 1:55

Sample Name :

Submitted by : ASD
Vial Number : 68
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.465	607773	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01 13 10\691568.D

Operator KAC

Date Acquired 14 Jan 2010 1:55

Sample Name

Submitted by ASD Vial Number 68 AcquisitionMeth: DRUGS Integrator RTE

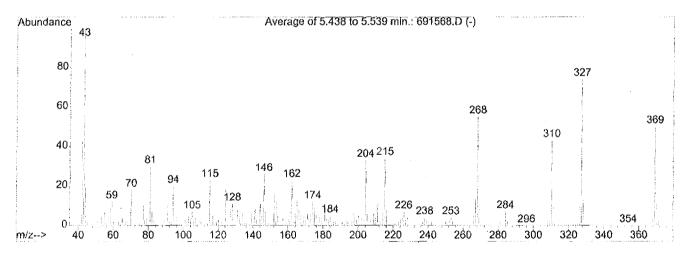
Search Libraries: C:\DATABASE\SLI.L

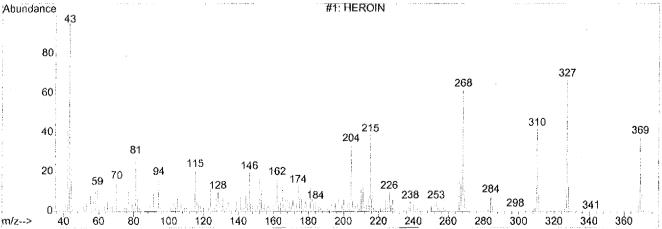
Minimum Quality: 90

C:\DATABASE\PMW TOX2.L

Minimum Quality: 90 C:\DATABASE\NIST98.L

PK# RT Library/ID CAS# Qual 5.46 C:\DATABASE\SLI.L 1 HEROIN 000561-27-3 99





691568.D

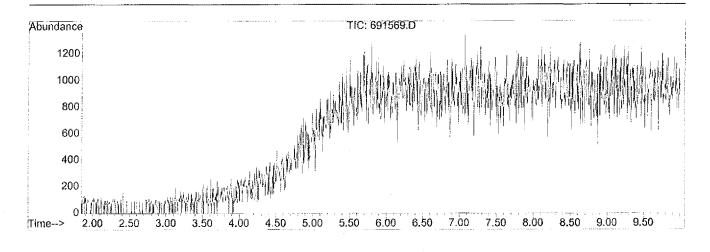
Tue May 29 10:52:10 2012

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691569.D

Operator : KAC

Date Acquired : 14 Jan 2010 2:08

Sample Name : BLANK Submitted by : ASD Vial Number : 2 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

NO INTEGRATED PEAKS

Information from Data File:

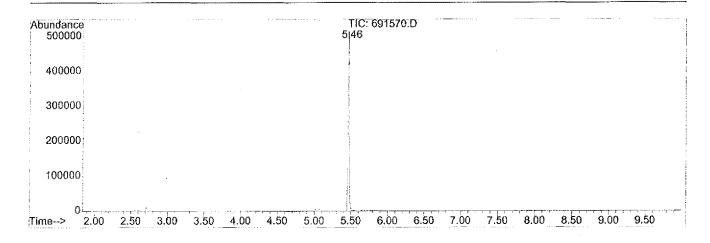
File Name : F:\Q1-2010\SYSTEM4\01_13_10\691570.D

Operator : KAC

Date Acquired : 14 Jan 2010 2:22

Sample Name :

Submitted by : ASD
Vial Number : 70
AcquisitionMeth: DRUGS
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.462	594635	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01 13 10\691570.D

Operator : KAC

Date Acquired : 14 Jan 2010 2:22

Sample Name

Submitted by : ASD
Vial Number : 70
AcquisitionMeth: DRUGS
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L

Minimum Quality: 90

C:\DATABASE\PMW TOX2.L

Minimum Quality: 90

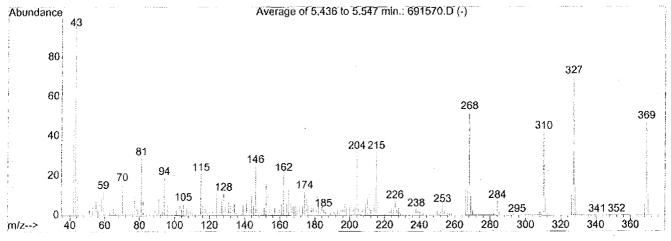
C:\DATABASE\NIST98.L

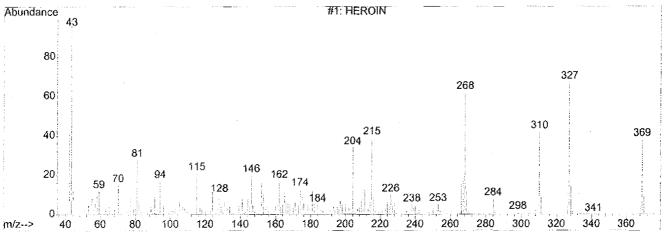
PK# RT Library/ID CAS# Qual

1 5.46 C:\DATABASE\SLI.L HEROIN

000561-27-3

99





691570.D

Tue May 29 10:52:28 2012

Information from Data File:

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691572.D

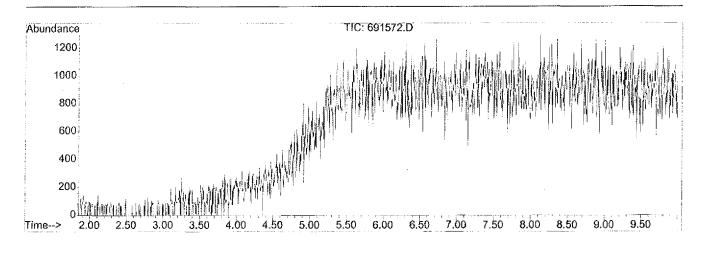
Operator : KAC

Date Acquired : 14 Jan 2010 2:49

Sample Name : BLANK

Submitted by :

Vial Number : 2 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time Area Area % Ratio %

^{***}NO INTEGRATED PEAKS***

Information from Data File:

File Name : F:\Q1-2010\SYSTEM4\01_13_10\691573.D

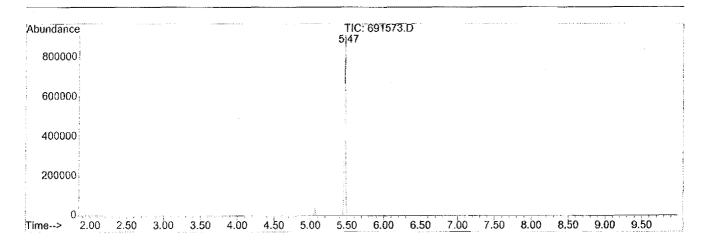
Operator : KAC

Date Acquired : 14 Jan 2010 3:02

Sample Name : HEROIN STD

Submitted by

Vial Number : 73 AcquisitionMeth: DRUGS Integrator : RTE



Ret. Time	Area	Area %	Ratio %
5.472	1130253	100.00	100.00

File Name : F:\Q1-2010\SYSTEM4\01 13 10\691573.D

Operator : KAC

Date Acquired : 14 Jan 2010 3:02

Sample Name HEROIN STD

Submitted by

RT

PK#

Vial Number 73 AcquisitionMeth: DRUGS Integrator : RTE

C:\DATABASE\SLI.L Search Libraries:

Minimum Quality: 90 Minimum Quality: 90

C:\DATABASE\PMW TOX2.L

C:\DATABASE\NIST98.L

CAS#

5.47 1 C:\DATABASE\SLI.L

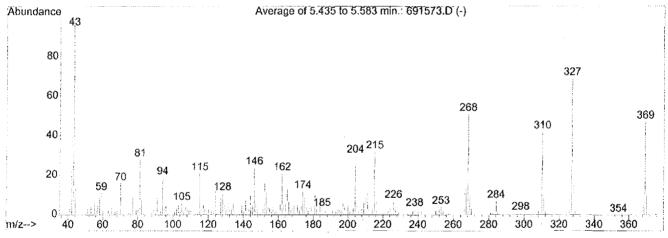
HEROIN

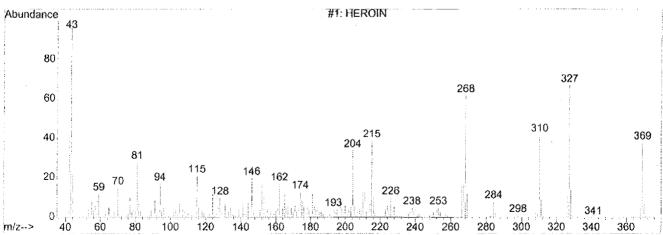
Library/ID

000561-27-3

99

Qual





691573.D

Tue May 29 10:52:39 2012